

PATENT ABSTRACTS OF JAPAN

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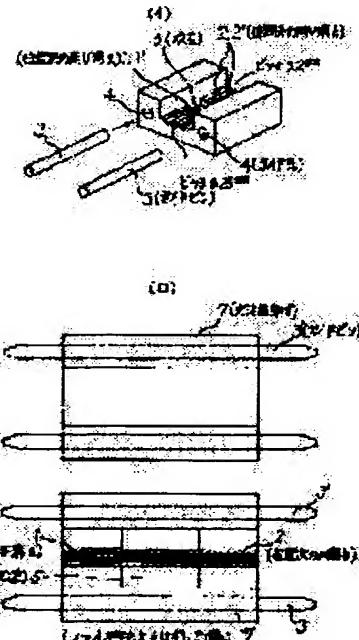
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(54) OPTICAL CONNECTING MEMBER

(57)Abstract:

PURPOSE: To connect optical fiber ribbons with a simple one part and to enable miniaturization by fixing optical fiber groups respectively with their ends exposed into respective optical fiber positioning grooves, then subjecting the coupling end faces of the optical fibers of the respective groups to polishing.

CONSTITUTION: Both coupling end faces of a ferrule to be coupled to an optical connector 7 are provided with the groups 1, 2 having respectively ≥ 2 pieces of a group of the optical fiber positioning grooves a, b. The ferrule has guide pins 3, 3' for exactly positioning the optical fiber groups, guide holes 4, 4' for insertion of the guide pins and a difference in level 5 helpful for preventing bending of the optical fibers. The optical fiber groups respectively with their ends exposed are fixed into the respective optical fiber positioning grooves a, b and thereafter the coupling end faces of the optical fibers of the respective groups are polished. The pitch width of at least two groups of the optical fiber positioning grooves a, b vary preferably from each other.



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